

7. DEVICE CONSTRUCTION

1. IR Sensor
2. LCD Display
3. Mode selection: body/ambient
4. Down Button
5. Up Button
6. MODE Button
7. Measurement Trigger
8. Battery Cover



8. CONFIGURATION

I. Measuring mode

The Non-contact Body Infrared Thermometer is specially designed to take the body temperature of a human being. For this, use the Body mode. Measurement range for Body mode: 32 - 42,5 °C (86 - 108 °F).

You can also use the thermometer to measure the temperature of an area or an object, food, liquid, or room temperature. For this, use the Surface mode. Measurement range for Surface mode: 0 - 60 °C (32 - 140 °F).

II. Choosing The Temperature Unit °C/°F - F1 function

Press "**MODE**" button for 2 seconds, the screen displays: F1. Select "**DOWN**" for Celsius degrees or "**UP**" for Fahrenheit degrees.

III. Alarm Setup - F2 Menu

Press "**MODE**" touch for 2 seconds, the screen displays: F1. Press twice "**MODE**" touch to get F2. Select "**UP**" to increase the threshold by 0.1 °C (0.1 °F) or "**DOWN**" to decrease it by 0.1 °C (0.1 °F). The alarm threshold default is 38 °C (100.4 °F).

IV. Pyrometer display calibration/Total Difference (This function is only effective in Body mode - body temperature measurement)

To adjust the total variation of your Non-Contact Body Infrared Thermometer, press "**MODE**" button for 2 seconds, the screen displays: F1. Press "**MODE**" button two times to get F3. Select "**UP**" to increase the difference by 0.1 °C (0.1 °F), "**DOWN**" to reduce it by 0.1 °C (0.1 °F). Temperature value can be changed in: -3,0...3,0 °C range. In the cases of seasonal or environment changes a verification and adjustment should be carried out.

V. Buzzer ON/OFF - F4(F3) Menu

Press "**MODE**" button for 2 seconds, the screen displays: F1. Press three(two) times "**MODE**" Button to get F4(F3). Select "**UP**" to open the buzzer (a sound icon is displayed on the LCD screen), press "**DOWN**" to stop it (the icon disappears).


termoplus
ROZWIĄZANIA W AUTOMATYCE

DT-8806
PYROMETER



Version 2.0

USER MANUAL / WARRANTY

1. GENERAL DESCRIPTION

Non-Contact Forehead IR Thermometer is designed for body surface and forehead temperature measurement for infants and adults without contact to human body.

Non-Contact Forehead IR Thermometer can also be used to measure the temperature of a baby-bottle or bath, or room temperature (by using the Surface Temp function).

2. TECHNICAL SPECIFICATIONS

Pyrometer measuring range:

- ambient temperature: 0,0...60,0°C

- body temperature: 32,0...42,5°C

Display Resolution: 0,1°C

Accuracy: ±0,3°C

Measuring distance: 5...15cm

Display: LCD with backlight

Automatic Data Hold & Auto power off: after 7 sec of idleness

Unit selection: °C / °F

Buzzer: indicating about a measurement and alarm threshold exceeding

Functions:

- last 32 measurements memorizing
- measurements calibration in: -3...3°C range

Dimensions/weight: 128x74x36 mm / 125g

Power supply: DC 3V (2 x 1,5V battery)

Operation environment: 0°C÷50°C, <85% RH

Equipment: batteries, case, user manual

This appliance conforms to the following standards:

EN 980: Graphic symbols for use in the labeling of medical devices

EN 1041: Information supplied by the manufacturer with medical devices

EN 60601-1: General requirements for safety

EN60601-1-2: General requirements for safety Collateral standard Electromagnetic compatibility

3. USE

Aim towards the forehead from a distance of 5 cm (2in), press the measuring key, the temperature is displayed immediately. Making sure there is no hair, perspiration, cosmetic or cap covered on the forehead.

When the room temperature is significant difference, or there is perspiration on the forehead, You can take the temperature behind the ear lobe. Making sure there is no hair, perspiration, cosmetic or cap covered.

Attention !!!

- For the first use or when inserting new batteries wait between 10 minutes for the warm-up of the apparatus and when inserting the new batteries.

- If the device is not used for a long time, once you turn it on again, the device will test the room temperature first and will delay turning on for one or two seconds,

4.BODY TEMPERATURE MEASUREMENT (BODY)

Body temperature measuring range is 32,0°C - 42,5°C. If the measurement value is not within a range, the display can indicates following communicates:

HI - when the temperature exceeds 42,5°C

Lo - when the temperature is below 32,0°C

The temperature of the human body varies throughout the day. It can also be influenced by numerous external factors: age, sex, type and thickness of skin...

Temperature according to the age:

0-2 years: 36,4°C...38,0°C

3-10 years: 36,1°C...37,8°C

11-65 years: 35,9°C...37,6°C

> 65 years: 35,8°C...37,5°C

Normal temperature in different parts of body:

Forehead: 35,5°C...37,6°C

Ear: 35,8°C...38,0°C

Oral: 35,5°C...37,5°C

Axillary:: 34,7°C...37,3°C

5. DISPLAY



1. Ambient temperature measurement
2. Body temperature measurement
3. Digital readout
4. Battery Condition
5. Measurement number
6. Saved measurement
7. Unit
8. Alarm Symbol

6. DATA READOUT

Turn on the unit with button no.7 " measurement trigger". Then pass between the stored data pressing 3 or 4 button.